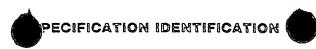
Practitioner's Docket No. NORTH-390A /A-2241 PATENT
COMBINED DECLARATION AND POWER OF ATTORNEY
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-I-P)
As a below named inventor, I hereby declare that:
TYPE OF DECLARATION
This declaration is of the following type:
(check one applicable item below)
🗓 original.
design.
supplemental.
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do <u>not</u> check next item; check appropriate one of last three items.
national stage of PCT.
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.
NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.
☐ divisional.
☐ continuation.
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements—nonprovisional application).
continuation-in-part (C-I-P).
INVENTORSHIP IDENTIFICATION
WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted
My residence, post office address and citizenship are as stated below, next to my name I believe that I am the original, first and sole inventor (if only one name is listed below) of an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:
TITLE OF INVENTION
RUGGED SHOCK-RESISTANT BACKPLANE FOR EMBEDDED SYSTEMS

(Declaration and Power of Attorney [1-1]-page 1 of 7)



the specification of which:

(complete (a), (b), or (c))

owing combinations of information supplied in an oath or declaration filed on the application with a specification are acceptable as minimums for identifying a specification and compliance one of the items below will be accepted as complying with the identification requirement of 1.63:  (1) name of inventor(s), and reference to an attached specification which is both attached to both or declaration at the time of execution and submitted with the oath or declaration on filing;  (2) name of inventor(s), and attorney docket number which was on the specification as filed;  (3) name of inventor(s), and title which was on the specification as filed."  (4) Indice of July 13, 1995 (1177 O.G. 60).  (5) Ited on
path or declaration at the time of execution and submitted with the oath or declaration on filing;  (2) name of inventor(s), and attorney docket number which was on the specification as filed;  (3) name of inventor(s), and title which was on the specification as filed."  (4) totice of July 13, 1995 (1177 O.G. 60).  (5) filed on
(3) name of inventor(s), and title which was on the specification as filed."  lotice of July 13, 1995 (1177 O.G. 60).  filed on
filed on, asSerial No. 0 /, was amended on (if applicable).  wents filed after the original papers are deposited with the PTO that contain new matter are reded a filing date by being referred to in the declaration. Accordingly, the amendments involved a filed with the application papers or, in the case of a supplemental declaration, are those ents claiming matter not encompassed in the original statement of invention or claims. See a. § 1.67.  Towing combinations of information supplied in an oath or declaration filed after the filing date ptable as minimums for identifying a specification and compliance with any one of the items ill be accepted as complying with the identification requirement of 37 CFR 1.63:  (A) application number (consisting of the series code and the serial number, e.g., 08/123,456);
filed on, asSerial No. 0 /
was amended on (if applicable).  ments filed after the original papers are deposited with the PTO that contain new matter are reded a filing date by being referred to in the declaration. Accordingly, the amendments involved a filed with the application papers or, in the case of a supplemental declaration, are those ents claiming matter not encompassed in the original statement of invention or claims. See a. § 1.67.  Towning combinations of information supplied in an oath or declaration filed after the filing date ptable as minimums for identifying a specification and compliance with any one of the items ill be accepted as complying with the identification requirement of 37 CFR 1.63:  (A) application number (consisting of the series code and the serial number, e.g., 08/123,456);
was amended on (if applicable).  ments filed after the original papers are deposited with the PTO that contain new matter are reded a filing date by being referred to in the declaration. Accordingly, the amendments involved a filed with the application papers or, in the case of a supplemental declaration, are those ents claiming matter not encompassed in the original statement of invention or claims. See a. § 1.67.  Towing combinations of information supplied in an oath or declaration filed after the filing date ptable as minimums for identifying a specification and compliance with any one of the items ill be accepted as complying with the identification requirement of 37 CFR 1.63:  (A) application number (consisting of the series code and the serial number, e.g., 08/123,456);
rded a filing date by being referred to in the declaration. Accordingly, the amendments involved e filed with the application papers or, in the case of a supplemental declaration, are those ents claiming matter not encompassed in the original statement of invention or claims. See 3. § 1.67. owing combinations of information supplied in an oath or declaration filed after the filing date ptable as minimums for identifying a specification and compliance with any one of the items ill be accepted as complying with the identification requirement of 37 CFR 1.63: (A) application number (consisting of the series code and the serial number, e.g., 08/123,456);
ptable as minimums for identifying a specification and compliance with any one of the items ill be accepted as complying with the identification requirement of 37 CFR 1.63: (A) application number (consisting of the series code and the serial number, e.g., 08/123,456);
(B) serial number and filing date;
(C) attorney docket number which was on the specification as filed;
(D) title which was on the specification as filed and reference to an attached specification which oth attached to the oath or declaration at the time of execution and submitted with the oath leclaration; or
(E) title which was on the specification as filed and accompanied by a cover letter accurately tifying the application for which it was intended by either the application number (consisting as series code and the serial number, e.g., 08/123,456), or serial number and filing date. Absent statement(s) to the contrary, it will be presumed that the application filed in the PTO is the lication which the inventor(s) executed by signing the oath or declaration."
1.P.E.P. § 601.01(a), 7th Ed.
described and claimed in PCT International Application No.
nded under PCT Article 19 on (if any).
o "(ntro) V

(Declaration and Power of Attorney [1-1]—page 2 of 7)

#### SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))

(com	plete the following where a supplemental declaration is being submitted)
	I hereby declare that the subject matter of the
	☐ attached amendment
	amendment filed on
	of my/our invention and was invented before the filing date of the original above-identified, for such invention.
ACKNO	WLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
-	state that I have reviewed and understand the contents of the above-identified on, including the claims, as amended by any amendment referred to above.
	wledge the duty to disclose information, which is material to patentability as 37, Code of Federal Regulations, § 1.56,
	(also check the following items, if desired)
Ď	and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
,	in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 C.F.R. § 1.98.
	PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))
ap th ar ex gr th in in ex m	The claim to priority need be in no special form and may be made by the attorney or agent if the foreign oplication is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the saminer, when specifically required by the examiner, and in all other situations, before the patent is anted. If the claim for priority or the certified copy of the foreign application is filed after the date to issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth § 1.17(i). If the certified copy is not in the English language, a translation need not be filed except the case of interference; or when necessary to overcome the date of a reference relied upon by the saminer; or when specifically required by the examiner, in which event an English language translation ust be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. 1.55(a).
of any fore application below and certificate the United	claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) eign application(s) for patent or inventor's certificate or of any PCT international n(s) designating at least one country other than the United States of America listed is have also identified below any foreign application(s) for patent or inventor's or any PCT international application(s) designating at least one country other than I States of America filed by me on the same subject matter having a filing date at of the application(s) of which priority is claimed.
	(complete (d) or (e))
(d) 🖄	no such applications have been filed.
(e) 🗆	such applications have been filed as follows.
NOTE: W	here item (c) is entered above and the International Application which designated the U.S. itself claimed

priority check item (e), enter the details below and make the priority claim.

### PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY UNDER 37	
			☐ YES	NO 🗆
			☐ YES	NO 🗆
			☐ YES	NO 🗆
			☐ YES	ио □
			☐ YES	ио □
I hereby claim	the benefit under Title 35, al application(s) listed below	§ 119(e)) United States Code,		

## 

### CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. § 120

The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN PART (C-I-P) APPLICATION.

(Declaration and Power of Attorney [1-1]-page 4 of 7)

1
7-

		PRIOR TO THIS U.S. APPLICATION
NOTE:	the basis for this application entering divisional, or continuation-in-part, ther	onths from the filing date of this application is a PCT filing forming the United States as (1) the national stage, or (2) a continuation, also complete ADDED PAGES TO COMBINED DECLARATION VISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of under 35 U.S.C. § 120.
	POWE	R OF ATTORNEY
		tioner(s) to prosecute this application and transact ark Office connected therewith.
Kit M. Stetina Mark B. Garred Matthew A. New	rson, Esq., Reg. No. 24, Reg. No. 29,445; Bruc I, Reg. No. 34,823; Will boles, Reg. No. 36,224; ki, Reg. No. 40,196; (check the followed)	nd registration number) 271; Karl J. Hoch, Jr., Reg. No. 34,181; e B. Brunda, Reg. No. 28,497; iam J. Brucker, Reg. No. 35,462; Thomas C. Naber, Reg. No. 26,777; lowing item, if applicable) oner(s) associated with the Customer Number pro-
	Patent and Trademark Office	his application and to transact all business in the e connected therewith.
		claration and power of attorney, is the authorization ioner(s) to accept and follow instructions from my
SEND C	ORRESPONDENCE TO	DIRECT TELEPHONE CALLS TO: (Name and telephone number)
Ċ	Address	
Terry J. Ander NORTHROP GRUMN 1840 Century F Los Angeles, O	MAN CORPORATION Park East	Terry J. Anderson, Esq. (310) 332-5666
·	Customer Number	·

FORM 1-1



#### **DECLARATION**

1-10

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURE(S)

- NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.
- NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).
- NOTE: Inventors may execute separate declarations/oaths provided <u>each</u> declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, inter alia, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997,

#### Full name of sole or first inventor

(Rel.79-4/99 Pub.605)

Shannon	Mary	Nelson		
(GIVEN NAME)				
Inventor's signature				
Date	Country of Citizenship _	U.S.A.		
Residence5122_North	n Natoma Avenue, Chicago, Il	60656		
Post Office Address	5122 North Natoma Avenue, Ch	icago, IL 60656		
Full name of second joir	nt inventor, if any			
Richard	Joseph	Paul		
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)		
Inventor's signature				
Date <u>3/28/2000</u>	Country of Citizenship	U.S.A.		
Residence 456 Harva	<u>rd Lane. Bartlett. IL 60103</u>	}		
Post Office Address4	56 Harvard Lane, Bartlett,	L 60103		
Full name of third joint i	D.	<u> Hischke</u>		
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)		
Inventor's signature				
Date	Country of Citizenship _	U.S.A.		
Residence 4 Walnut	Lane, Algonquin, IL 60102			
Post Office Address	4 Walnut Lane, Algonquin, II	60102		
	(Declaration and Pov	ver of Attorney [1-1]—page 6 of 7		

FORM 1-1

(check proper box(es)	for any of	the following	added	page(s)
that form	a part of	this declaratio	n)	

Signature for fourth and subsequent joint inventors. Number of pages added
• • •
Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
• • •
Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
• • •
Added page for <b>signature</b> by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
• • •
Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.
□ Number of pages added
• • •
Authorization of practitioner(s) to accept and follow instructions from representative.
•
• • • · · · · · · · · · · · · · · · · ·
of no further pages form a part of this Declaration

(if no further pages form a part of this Declaration, then end this Declaration with this page and check the following item)

XX This declaration ends with this page.

Practitioner's Docket No. NORTH-390A /A-2241 PATENT
COMBINED DECLARATION AND POWER OF ATTORNEY
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-I-P)
As a below named inventor, I hereby declare that:
TYPE OF DECLARATION
This declaration is of the following type:
(check one applicable item below)
🗓 original.
design.
supplemental.
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do <u>not</u> check next item; check appropriate one of last three items.
national stage of PCT.
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.
NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.
divisional.
continuation.
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprovisional application).
☐ continuation-in-part (C-I-P).
INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

#### TITLE OF INVENTION

RUGGED	SHOCK-RES	ISTANT BACK	(PLANE FOR	EMBEDDED	SYSTEMS	



the specification of which:

(complete (a), (b), or (c))

(a) U	y is attached hereto.
NOTE:	"The following combinations of information supplied in an oath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:
	"(1) name of inventor(s), and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration on filing,
	"(2) name of inventor(s), and attorney docket number which was on the specification as filed, or
	"(3) name of inventor(s), and title which was on the specification as filed."
	Notice of July 13, 1995 (1177 O.G. 60).
(b) [	was filed on, as $\square$ Serial No. 0 /
	and was amended on (if applicable).
NOTE:	Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 C.F.R. § 1.67.
NOTE:	"The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:
	"(A) application number (consisting of the series code and the serial number, e.g., 08/123,456),
	"(B) serial number and filing date;
	"(C) attorney docket number which was on the specification as filed;
	"(D) title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or
	"(E) title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."
	M.P.E.P. § 601.01(a), 7th Ed.
(c) [	was described and claimed in PCT International Application No.
	amended under PCT Article 19 on (if any).
	(Declaration and Power of Attorney [1-1]—page 2 of 7

(Rel.79—499 Pub.605) FORM 1-1 1—6

### SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))

(complete the following where a supplemental declaration is being submitted)
☐ I hereby declare that the subject matter of the
attached amendment
amendment filed on
was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.
ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.
I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,
(also check the following items, if desired)
and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 C.F.R. § 1.98.
PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))
NOTE: "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(i). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. § 1.55(a).
I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.
(complete (d) or (e))
(d) 🖄 no such applications have been filed.
(e) such applications have been filed as follows.
NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

### PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)		CLAIMED USC 119
			☐ YES	NO 🗆
			☐ YES	NO 🗆
			☐ YES	NO 🗆
			☐ YES	NO 🗆
			☐ YES	NO 🗆
	APPLICATION NUMBER		FILING D	ATE
/			FILING D	DATE
/		<del></del>	FILING D	OATE
/ /		LIER US/PCT APPI		

(Declaration and Power of Attorney [1-1]-page 4 of 7)

(Rel.79-4/99 Pub.605)	FORM 1-1	1-8

ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS

	6 MONTHS FOR DE	SIGN) PRIOR TO THIS U.S. APPLICATION
NOTE:	the basis for this application of divisional, or continuation-in-p AND POWER OF ATTORNEY	an 12 months from the filing date of this application is a PCT filing forming entering the United States as (1) the national stage, or (2) a continuation, part, then also complete ADDED PAGES TO COMBINED DECLARATION FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit ication(s) under 35 U.S.C. § 120.
	P	OWER OF ATTORNEY
		practitioner(s) to prosecute this application and transact rademark Office connected therewith.
Kit M. Stetina Mark B. Garred Matthew A. New	rson, Esq., Reg. No 1, Reg. No. 29,445; 1, Reg. No. 34,823; vboles, Reg. No. 36 kki. Reg. No. 40.19	name and registration number) . 24,271; Karl J. Hoch, Jr., Reg. No. 34,181; Bruce B. Brunda, Reg. No. 28,497; William J. Brucker, Reg. No. 35,462; ,224; Thomas C. Naber, Reg. No. 26,777; 6; the following item, if applicable)
	vided below to prose	practitioner(s) associated with the Customer Number pro- ecute this application and to transact all business in the k Office connected therewith.
C		his declaration and power of attorney, is the authorization practitioner(s) to accept and follow instructions from my
SEND CO	ORRESPONDENCE TO	DIRECT TELEPHONE CALLS TO: (Name and telephone number)
Ď	Address	
Terry J. Ander NORTHROP GRUMM 1840 Century F Los Angeles, O	MAN CORPORATION Park East	Terry J. Anderson, Esq. (310) 332-5666
	Customer Number .	<del></del>

#### DECLARATION



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURE(S)

- NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents. NOTE: Each inventor must be identified by full name, including the family name, and at least one given name
- without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).
- NOTE: Inventors may execute separate declarations/paths provided each declaration/path sets forth all the

	<u> </u>	
Full name of second	joint inventor, if any	
Richard (GIVEN NAME)	Joseph (MIDDLE INITIAL OR NAME)	Paul Family (or last name)
inventor's signature _	•	PAMILT (ON LAST NAME)
IIIYOIILOI S SIYIIAMIO -	<del></del>	<del></del>
Data	Country of Citizenshir	U.S.A.
	Country of Citizenship	
Residence 456 Har	vard Lane, Bartlett, IL 60	103
Residence 456 Har		103
Residence 456 Har Post Office Address  Full name of third joi	vard Lane, Bartlett, IL 60 456 Harvard Lane, Bartlett	103
Residence 456 Har Post Office Address  Full name of third joi  Mark (GIVEN NAME)	int inventor, if any  (MIDDLE INITIAL OR NAME)	103 . IL 60103 
Residence 456 Har Post Office Address  Full name of third joi Mark (GIVEN NAME) Inventor's signature	nt inventor, if any  (MIDDLE INITIAL OR NAME)	103 IL 60103  Hischke FAMILY (OR LAST NAME)
Post Office Address  Full name of third joi  Mark (GIVEN NAME)  Inventor's signature	int inventor, if any  (MIDDLE INITIAL OR NAME)	Hischke FAMILY (OR LAST NAME)

**FORM 1-1** 

(RcL79-4/99 Pub.605)

(check proper box(es) for any of the	following added page(s)
that form a part of this	declaration)

Signature for fourth and subsequent joint inventors. Number of pages added
• • •
Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
• • •
Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
• • •
Added page for <b>signature</b> by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
• • •
Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.
□ Number of pages added
• • •
Authorization of practitioner(s) to accept and follow instructions from representative.
• • •

(if no further pages form a part of this Declaration, then end this Declaration with this page and check the following item)

XX This declaration ends with this page.

Practitioner's Docket No. NORTH-390A /A-2241 PATENT				
COMBINED DECLARATION AND POWER OF ATTORNEY				
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-I-P)				
As a below named inventor, I hereby declare that:				
TYPE OF DECLARATION				
This declaration is of the following type:				
(check one applicable item below)				
💢 original.				
☐ design.				
☐ supplemental.				
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do <u>not</u> check next item; check appropriate one of last three items.				
national stage of PCT.				
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.				
NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.				
☐ divisional.				
☐ continuation.				
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprovisional application).				
continuation-in-part (C-I-P).				
INVENTORSHIP IDENTIFICATION				
WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.				
My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:				

TITLE OF INVENTION

RUGGED SHOCK-RESISTANT BACKPLANE FOR EMBEDDED SYSTEMS



the specification of which:

(complete (a), (b), or (c))

filing date with a specification are acceptable as minimums for identifying a specification and complian with any one of the items below will be accepted as complying with the identification requirement 37 CFR 1.63:  "(1) name of inventor(s), and reference to an attached specification which is both attached the eath or declaration at the time of execution and submitted with the eath or declaration on filin "(2) name of inventor(s), and attorney docket number which was on the specification as filed or "(3) name of inventor(s), and title which was on the specification as filed."  Notice of July 13, 1995 (1177 O.G. 60).  (b) was filed on	NOTE: "The following combinations of information supplied in an oath or declaration filed on the applicating date with a specification are acceptable as minimums for identifying a specification and complia with any one of the items below will be accepted as complying with the identification requiremen 37 CFR 1.63:  "(1) name of inventor(s), and reference to an attached specification which is both attached the oath or declaration at the time of execution and submitted with the oath or declaration on fil "(2) name of inventor(s), and attorney docket number which was on the specification as filed."  Notice of July 13, 1995 (1177 O.G. 60).  (b) was filed on		
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Notice of July 13, 1995 (1177 O.G. 60).  (b) was filed on, as Serial No. 0 / and was amended on (if applicable).  NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter a not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involve are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. St 37 C.F.R. § 1.67.  NOTE: "The following combinations of information supplied in an oath or declaration filed after the filling da are acceptable as minimums for identifying a specification and compliance with any one of the item below will be accepted as complying with the identification requirement of 37 CFR 1.63:  "(A) application number (consisting of the series code and the serial number, e.g., 08/123,456:  "(B) serial number and filing date;  "(C) attorney docket number which was on the specification as filed;  "(C) attorney docket number which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oa or declaration; or  "(E) title which was on the specification as filed and accompanied by a cover letter accurate identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/123,456), or serial number and filing date. Abse any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."  M.P.E.P. § 601.01(a), 7th Ed.  (c) was described and claimed in PCT International Application and and and and and and and and and an	Notice of July 13, 1995 (1177 O.G. 60).  (b) was filed on		"(2) name of inventor(s), and attorney docket number which was on the specification as filed or
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or	or		Notice of July 13, 1995 (1177 O.G. 60).
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(c) was described and claimed in PCT International Application No and a	(c)  was described and claimed in PCT International Application N		"(E) title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/123,456), or serial number and filing date. Absen any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."
and a	· ·		M.P.E.P. § 601.01(a), 7th Ed.
		(c) [	was described and claimed in PCT International Application No
amended under PCT Article 19 on (if any).	amended under PCT Article 19 on (if any).		

(Declaration and Power of Attorney [1-1]—page 2 of 7)

(Rel.79—499 Pub.605) FORM 1-1 1—

#### SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))

(co	mplete the following where a supplemental declaration is being submitted)
	I hereby declare that the subject matter of the
	☐ attached amendment
	amendment filed on
	t of my/our invention and was invented before the filing date of the original on, above-identified, for such invention.
ACKN	IOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
	by state that I have reviewed and understand the contents of the above-identified tion, including the claims, as amended by any amendment referred to above.
	owledge the duty to disclose information, which is material to patentability as in 37, Code of Federal Regulations, § 1.56,
	(also check the following items, if desired)
Ľ	and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
	in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 C.F.R. § 1.98.
	PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))
	"The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(i). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. § 1.55(a).
of any fo	by claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) preign application(s) for patent or inventor's certificate or of any PCT international on(s) designating at least one country other than the United States of America listed and have also identified below any foreign application(s) for patent or inventor's application of the state of accountry other than
certificat	e or any PCT international application(s) designating at least one country other than ed States of America filed by me on the same subject matter having a filing date nat of the application(s) of which priority is claimed.
certificat	ed States of America filed by me on the same subject matter having a filing date
certificat	ed States of America filed by me on the same subject matter having a filing date nat of the application(s) of which priority is claimed.  (complete (d) or (e))
certificat the Unite before th	ed States of America filed by me on the same subject matter having a filing date nat of the application(s) of which priority is claimed.  (complete (d) or (e))  no such applications have been filed.

priority check item (e), enter the details below and make the priority claim.

# PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)—(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY UNDER 37	
			☐ YES	NO 🗆
			☐ YES	NO 🗆
			☐ YES	NO 🗆
			☐ YES	NO 🗆
			☐ YES	NO 🗆
ROVISIONAL	APPLICATION NUMBER		FILING D	ATE
/			<del>., ., ., </del>	
CLAI	M FOR BENEFIT OF EARL UNDER 35 U	-	ICATION	(S)
	The claim for the benefit of attached ADDED PAGES TO CATTORNEY FOR DIVISIONAL	COMBINED DECLARA	ATION AND	POWER O

(Declaration and Power of Attorney [1-1]-page 4 of 7)

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(Rel.79-4/99 Pub.605)	T T T T T T T T T T T T T T T T T T T	FORM 1-1		1-≥
<u> </u>		Oldin 1		

PART (C-I-P) APPLICATION.

FO		

(Rel.79 4/99 Pub.605)

☐ Customer Number .

ALL FOREIGN APPLICATION(S), <i>IF ANY</i> (6 MONTHS FOR DESIGN) PRIOR	
divisional, or continuation-in-part, then also comp	States as (1) the national stage, or (2) a continuation, plete ADDED PAGES TO COMBINED DECLARATION CONTINUATION OR C-I-P APPLICATION for benefit
POWER OF AT	TTORNEY
I hereby appoint the following practitioner(s) all business in the Patent and Trademark Office	to prosecute this application and transact e connected therewith.
(list name and regist Terry J. Anderson, Esq., Reg. No. 24,271; Ka Kit M. Stetina, Reg. No. 29,445; Bruce B. Br Mark B. Garred, Reg. No. 34,823; William J. Matthew A. Newboles, Reg. No. 36,224; Thomas Eric L. Tanezaki, Reg. No. 40,196; (check the following its	rl J. Hoch, Jr., Reg. No. 34,181; runda, Reg. No. 28,497; Brucker, Reg. No. 35,462; C. Naber, Reg. No. 26,777;
	ssociated with the Customer Number pro- cation and to transact all business in the cted therewith.
	and power of attorney, is the authorization to accept and follow instructions from my
SEND CORRESPONDENCE TO	DIRECT TELEPHONE CALLS TO: (Name and telephone number)
☐ Address	
Terry J. Anderson, Esq. NORTHROP GRUMMAN CORPORATION 1840 Century Park East Los Angeles, CA 90067-2199	Terry J. Anderson, Esq. (310) 332-5666

#### **DECLARATION**



(Declaration and Power of Attorney [1-1]-page 6 of 7)

FORM 1-1

(Rel.79-4/99 Pub.605)

1-10

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)						
NOTE:	<ul> <li>E: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all othe documents.</li> <li>E: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).</li> <li>E: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, inter alia, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997,</li> </ul>					
NOTE:						
NOTE:						
Full nar	ne of sole or	first inventor	•			
Shar	nnon	Mary	Nelson			
(GIVI	EN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)			
Invento	r's signature _					
Date	·	Country of Citizenship	U.S.A.			
Resider	nce5122_No	rth Natoma Avenue, Chicago, Il	60656			
Post Of	ffice Address .	5122 North Natoma Avenue, Ch	icago, IL 60656			
			*			
Full nar	ne of second	joint inventor, if any				
Rich	nard	Joseph	Paul			
(GIVI	EN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)			
Invento	r's signature _		<del></del>			
Date		Country of Citizenship	U.S.A.			
Resider	nce <u>456 Har</u>	vard Lane, Bartlett, IL 60103				
Post Of	fice Address.	456 Harvard Lane, Bartlett, I	L 60103			
Full nar	ne of third joi	nt inventor, if any				
Marl		D	/ Hischke			
•	EN NAME)	(MIDDLE INSTAL OR NAME)	FAMILY (OR LAST NAME)			
	r's signature _ 3	Country of Citizenship	H C A			
Date			<b>Д. Э. К.</b>			
Resider	nce <u>4 Waini</u>	ut Lane, Algonquin, IL 60102	60100			
Post Of	ffice Address .	4 Walnut Lane, Algonquin, IL	60102			

(check proper box(es) for any of the following added page(s) that form a part of this declaration)

Signature for fourth and subsequent joint inventors. Number of pages added
• • •
Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
• • •
Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
• • •
Added page for <b>signature</b> by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
• • • <sub>.</sub>
Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.
□ Number of pages added
• • •
Authorization of practitioner(s) to accept and follow instructions from representative.
• • •
(if no further pages form a part of this Declaration,

then end this Declaration with this page and check the following item)

XX This declaration ends with this page.